

HQ ADCOM PETERSON AFB CO//J-3//  
 JCS WASH DC//J3//  
 HQ SAC OFFUTT AFB NE//DGC//  
 ANMCC FORT RITCHIE MD//  
 ADCOM ALCOP MALNSTRON AFB NE//  
 INFO HQ USAF WASH DC//XOS/RDS//  
 HQ ADCOM CHEYENNE MTN COMPLEX CO//J-32//  
 HQ SAC OFFUTT AFB NE//SX//  
 HQ AFTAC PATRICK AFB FL//DQ//  
 DET 1 4602CPUSS LOWRY AFB CO//ADBS//

b1

b1

ZEN SIG PETERSON AFB CO//SYC//  
 ZEN OLCS HQ SAC PETERSON AFB CO//SXW//

SUBJ: SIMPLIFIED PROCESSING STATION (SPS) OPERATIONAL STATUS (U).

1. (S) BACKGROUND: ON 16 DEC 1981, CINCNORAD WAS BRIEFED ON THE SPS FOLLOW-ON TEST AND EVALUATION (FOT&E) PHASE II RESULTS. CINCNORAD'S DECISION WAS THAT THE SPS IS OPERATIONALLY ACCEPTABLE FOR ON-LINE

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ADJUTANT GENERAL  
 11.3

MAJ WEINER/J-3FB/3307/31DEC81/SPC-

L.C. PRICE  
 Brigadier General, CP  
 Assistant DCS Operations

USE; HOWEVER, SEVERAL SYSTEM DATA HANDLING PROBLEMS MUST BE RESOLVED. PROCESSING PROBLEMS WITH SPS DATA MESSAGES ARE (1) THE PAIRING OF LARGE PROCESSING STATION (LPS) AND *b1* VERSUS SPS MISSILE LAUNCH REPORTS (DUPLICATE REPORT ELIMINATION) AND (2), THE THREAT PROCESSING AND DISPLAYING OF *b1*

HE APPROVED A TWO-STEP IMPLEMENTATION OF THE SPS OPERATIONAL CAPABILITY. THE TWO-STEP APPROACH GIVES SAFEGUARDS NEEDED TO BRING THE SPS INTO THE TW/AA SYSTEM.

2. THE FIRST STEP IS TO DECLARE A LIMITED OPERATIONAL CAPABILITY (LOC). DURING LOC, THE SPS WILL BE SCHEDULED FOR 16 HOURS PER DAY OPERATION ON FLT 9 (FLT 10 AFTER HANDOVER) AND WILL BE CONNECTED TO THE DATA DISTRIBUTION CENTER VIA THE *b1* ALL SPS DATA MESSAGES WILL BE TRANSMITTED NORMALLY FROM THE SITE BUT HIGH SPEED TRANSMISSION TO USERS WILL BE INHIBITED AT THE DDC. USERS WILL RECEIVE ONLY TELETYPE PRINT-OUTS VIA THE DEDICATED TELETYPE USER DATA ENTRY (TUDE) EQUIPMENT. THIS WILL INSURE NO SPS HIGH SPEED DATA IS FURNISHED TO THE NCS, NEBU AND CCPDS SYSTEMS FOR PROCESSING. THE FOLLOWING GROUND RULES WILL APPLY DURING LOC:

A. DURING THE SCHEDULED 16 HOURS PER DAY OF SPS OPERATION, ~~USERS WILL NOT REPEAT WILL NOT RESPOND TO ANY DSP LOW SPEED TURF~~

*12*

MESSAGES REGARDLESS OF SOURCE.

B. A ROUTINE *b1* CONFERENCE (RMDC) WILL BE CONVENED BY NCNC PRIOR TO AND FOLLOWING EACH SCHEDULED *b1* ON-LINE AND OFF-LINE CONFIGURATION CHANGE. USERS WILL BE ADVISED NOT TO RESPOND TO ANY *b1* MESSAGES DURING SPS ON-LINE OPERATIONAL PERIODS. CONVERSELY, THEY WILL ALSO BE TOLD WHEN THE SPS IS OFF-LINE AND THE *b1* MESSAGES ARE VALID. (COMMENT: WE BELIEVE NO CHECKLIST OR POSTURING ACTIONS ARE TRIGGERED BY *b1* MESSAGES.)

C. CINCMORAD WILL DECLARE LOC UPON SIO CERTIFICATION OF THE SPS AND THE COMPLETION OF A CATEGORY A TEST *b1*

D. FOR ALCOP OPERATIONS: THE SPS WILL ASSUME VOICE TELL REPORTING WHENEVER THE OPERATIONAL CONTROL IS TRANSFERRED FROM NCNC TO ALCOP. THE ALCOP WILL INSURE THE BDC IS DIRECTED TO DISCONNECT THE SPS FROM THE GCN. ALCOP WILL ADVISE ALL USERS THAT *b1* DATA IS VALID AFTER COMPLETION AND CONFIRMATION OF THESE ACTIONS. THIS CONFIGURATION WILL BE MAINTAINED UNTIL NORMAL OPERATIONS ARE RESUMED BY THE NCNC.

E. *b1* IS SCHEDULED OR PREEMPTED TO PROVIDE COVERAGE FOR A ~~REP EAST OUTAGE. THE SPS WILL BE PLACED IN A VOICE TELL REPORTING~~

JEP

MODE AND THE DDC PORT REASSIGNED *b1*

3. THE SECOND STEP WILL BE THE DECLARATION OF FULL OPERATIONAL CAPABILITY (FOC). IMPLEMENTATION OF THIS PHASE IS DEPENDENT ON COMPLETION OF CHANGES TO THE USERS' SOFTWARE. CURRENT SCHEDULED SOFTWARE DEVELOPMENT WILL INCLUDE THE REQUIRED CHANGES IN THE VERSION F DELIVERY (ESTIMATED O/A 30 APR 82). AFTER VALIDATION OF VERSION F, THE SIG WILL REQUIRE A CATEGORY A END-TO-END TEST PRIOR TO CERTIFICATION. THEREFORE, FOC IS ESTIMATED O/A 1 JULY 82.

4. (U) ADDRESSEES ARE REMINDED OF SEVERAL OPERATIONAL LIMITATIONS OF THE SPS DUE TO ITS AUSTERE DESIGN:

A. BECAUSE OF ITS *b1* THE SPS WILL  
BE SCHEDULED *b1* THE REMAINING  
8 HOURS ARE FOR TRAINING, MAINTENANCE, AND SOFTWARE DEVELOPMENT.

B. *b1* AND THEREFORE CANNOT  
NOT OPERATE ON DSP FLIGHT 8.

C. DURING THE 8 HRS/DAY THE SPS IS NOT SCHEDULED FOR OPERATIONS. RECALL MAY BE LENGTHY OR NOT POSSIBLE.

D. *b1*

E. ~~(U) THE SPS CANNOT PERFORM WIDE BAND TAPE PLAYBACKS OR BELOC~~

JEP

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ANALYSIS.

F. *b1*

G. *b1*

5. THIS TWO-STEP APPROACH WILL ALLOW THE SPS TO VERIFY CHECK-LIST AND CREW PROCEDURES UNDER NORMAL OPERATIONAL CONDITIONS. IT WILL ALSO PROVIDE FAMILIARIZATION TRAINING FOR THE COMMAND CENTERS AND ALLOW CREWS TO BECOME ACQUAINTED WITH SPS MESSAGES AND COORDINATION OF PROCEDURES *b1*

6. (U) REQUEST ACTION ADDRESSEES PROVIDE COMMENTS/CONCURRENCE NLT 29 JAN 82. POC IS LT COL ELLENBURG, J-3FD, AV 692-3309.

*LEP*

**EXCISED COPY FOLLOWS**

HQ ADCOM PETERSON AFB CO//J-3//

JCS WASH DC//JE//

HQ SAC OFFUTT AFB NE//DOC//

ANMCC FORT RITCHIE MD//

ADCOM ALCOP MALMSTROM AFB MT//

INFO HQ USAF WASH DC//XOS/RDS//

HQ ADCOM CHEYENNE MTN COMPLEX CO//J-31//

HQ SAC OFFUTT AFB NE//SX//

HQ AFTAC PATRICK AFB FL//DO//

DET 1 4602CPUSS LOWRY AFB CO//ADBS//

b1

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ZEN SIO PETERSON AFB CO//SYC//

ZEN OLCS HQ SAC PETERSON AFB CO//SXW//

SUBJ: SIMPLIFIED PROCESSING STATION (SPS) OPERATIONAL STATUS (U).

1. BACKGROUND: ON *b1* CINCNORAD WAS BRIEFED ON THE SPS FOLLOW-ON TEST AND EVALUATION (FOT&E) PHASE II RESULTS. CINCNORAD'S DECISION WAS THAT THE SPS IS OPERATIONALLY ACCEPTABLE FOR ON-LINE

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MAJ WEINER/J-EFD/3309/31DEC81/LPC-

LC. PRICE  
Brigadier General, CF  
Assistant Chief of Operations

Item 10(74)  
1982

USERS HOWEVER, SEVERAL SYSTEM DATA HANDLING PROBLEMS MUST BE RESOLVED. PROCESSING PROBLEMS WITH SPS DATA MESSAGES ARE (1) THE PAIRING OF LARGE PROCESSING STATION (LPS) 6/

AND (2), THE THREAT PROCESSING AND DISPLAYING OF 6/ MISSILE LAUNCH AREA REPORTS. HE APPROVED A TWO-STEP IMPLEMENTATION OF THE SPS OPERATIONAL CAPABILITY. THE TWO-STEP APPROACH GIVES SAFEGUARDS NEEDED TO BRING THE SPS INTO THE TW/AA SYSTEM.

B. THE FIRST STEP IS TO DECLARE A LIMITED OPERATIONAL CAPABILITY (LOC). DURING LOC, THE SPS WILL BE SCHEDULED FOR 16 HOURS PER DAY OPERATION 6/ AND WILL BE CONNECTED TO THE DATA DISTRIBUTION CENTER 6/ ALL SPS DATA MESSAGES WILL BE TRANSMITTED NORMALLY FROM THE SITE BUT HIGH SPEED TRANSMISSION TO USERS WILL BE INHIBITED AT THE DDC. USERS WILL RECEIVE ONLY TELETYPE PRINT-OUTS VIA THE DEDICATED TELETYPE USER DATA ENTRY (TUDE) EQUIPMENT. THIS WILL INSURE NO SPS HIGH SPEED DATA IS FURNISHED TO THE NCS, MEBU AND CCPDS SYSTEMS FOR PROCESSING. THE FOLLOWING GROUND RULES WILL APPLY DURING LOC:

A. DURING THE SCHEDULED 16 HOURS PER DAY OF SPS OPERATION, ~~USERS WILL NOT REPEAT WILL NOT RESPOND TO ANY DSP LOW SPEED TUDE~~

*JEP*



MESSAGES REGARDLESS OF SOURCE.

B. A ROUTINE MISSILE DISPLAY CONFERENCE (RMDC) WILL BE CONVENED BY NCMC PRIOR TO AND FOLLOWING EACH SCHEDULED SPS-DDC ON-LINE AND OFF-LINE CONFIGURATION CHANGE. USERS WILL BE ADVISED NOT TO RESPOND TO ANY TUDE MESSAGES DURING SPS ON-LINE OPERATIONAL PERIODS. CONVERSELY, THEY WILL ALSO BE TOLD WHEN THE SPS IS OFF-LINE AND THE TUDE MESSAGES ARE VALID. (COMMENT: WE BELIEVE NO CHECKLIST *b1* ACTIONS ARE TRIGGERED BY TUDE MESSAGES.)

C. CINCHORAD WILL DECLARE LOC UPON SIO CERTIFICATION OF THE SPS AND THE COMPLETION OF A CATEGORY A TEST OF THE DDC INHIBITION OF SPS HIGH SPEED DATA MESSAGES (ESTIMATED *b1*)

D. FOR ALCOP OPERATIONS: THE SPS WILL ASSUME VOICE TELL REPORTING WHENEVER THE OPERATIONAL CONTROL IS TRANSFERRED FROM NCMC TO ALCOP. THE ALCOP WILL INSURE THE DDC IS DIRECTED TO DISCONNECT THE SPS FROM THE GCN. ALCOP WILL ADVISE ALL USERS THAT TUDE DATA IS VALID AFTER COMPLETION AND CONFIRMATION OF THESE ACTIONS. THIS CONFIGURATION WILL BE MAINTAINED UNTIL NORMAL OPERATIONS ARE RESUMED BY THE NCMC.

E. *b1*

*JEP*

*b1*

3. THE SECOND STEP WILL BE THE DECLARATION OF FULL OPERATIONAL CAPABILITY (FOC). IMPLEMENTATION OF THIS PHASE IS DEPENDENT ON COMPLETION OF CHANGES TO THE USERS' SOFTWARE. CURRENT SCHEDULED SOFTWARE DEVELOPMENT WILL INCLUDE THE REQUIRED CHANGES IN THE VERSION F DELIVERY (ESTIMATED *b1* AFTER VALIDATION OF VERSION F, THE SIO WILL REQUIRE A CATEGORY A END-TO-END TEST PRIOR TO CERTIFICATION. THEREFORE, FOC IS ESTIMATED *b1*

4. ADDRESSEES ARE REMINDED OF SEVERAL OPERATIONAL LIMITATIONS OF THE SPS DUE TO ITS AUSTERE DESIGN:

A. BECAUSE OF ITS SINGLE COMPUTER STRING DESIGN, THE SPS WILL BE SCHEDULED FOR ONLY 16 HOURS OF OPERATION PER DAY. THE REMAINING 8 HOURS ARE FOR TRAINING, MAINTENANCE, AND SOFTWARE DEVELOPMENT.

B. *b1*

C. DURING THE 8 HRS/DAY THE SPS IS NOT SCHEDULED FOR OPERATIONS. RECALL MAY BE LENGTHY OR NOT POSSIBLE.

D. THE SPS CANNOT MANUALLY COLLECT DATA, *b1*  
OR LESS-THAN-RELEASE EVENTS.

E. THE SPS CANNOT PERFORM WIDE BAND TAPE PLAYBACKS OR DELOG

*JEP*

## ANALYSIS.

- F. THE SPS WILL BE USED PRIMARILY FOR BACKUP SUPPORT *61*
- G. THE SPS CAN MONITOR THE STATUS OF KEY SPACECRAFT AND SENSOR COMPONENTS BUT CANNOT COMMAND THE SATELLITE.
- S. THIS TWO-STEP APPROACH WILL ALLOW THE SPS TO VERIFY CHECK-LIST AND CREW PROCEDURES UNDER NORMAL OPERATIONAL CONDITIONS. IT WILL ALSO PROVIDE FAMILIARIZATION TRAINING FOR THE COMMAND CENTERS AND ALLOW CREWS TO BECOME ACQUAINTED WITH SPS MESSAGES AND COORDINATION OF PROCEDURES WITH DDC AND THE SPS.
- H. REQUEST ACTION ADDRESSEES PROVIDE COMMENTS/CONCURRENCE NLT 29 JAN 82. POC IS LT COL ELLENBURG, J-3FD, AV 692-3309.

*SEP*